

Working Draft

Environmental Impact Statement for

Channel Islands

National Marine Sanctuary

Affected Environment Section

April 29, 2000

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A MARINE SPECIES LIST

Table A-1
Marine Species List

SPECIES	SYNONYM	COMMON NAME	GEO RANGE	NORTH		SAN		SANTA		SANTA		ANACAPA		SANTA		SOUTH	
				COAST		MIGUEL		ROSA		CRUZ		ISLAND		BARBARA		COAST	
				INT	SUB	INT	SUB	INT	SUB	INT	SUB	INT	SUB	INT	SUB	INT	SUB
DIVISION CHLOROPHYTA																	
BRYOPSIS CORTICULANS		GREEN ALGAE			N		X	3	3	2	1	2		X		X	
BRYOPSIS SP.									X			X		X			
CHAETOMORPHA LINUM	CHAETOMORPHA AEREA			T		1		4		1	X	X		1		2	
CHAETOMORPHA SP.								X	2				X				
CHAETOMORPHA SPIRALIS				S					X		X		X		2		
CLADOPHORA COLUMBIANA				W		2		3		3	X	1					X
CLADOPHORA GRAMINEA				T		2	2	2	2	1	3		2		3		1
CLADOPHORA MICROCLADIOIDES				W		2	X	2	X		X		X				X
CLADOPHORA SP.					X			X	3	2		2					X
CODIUM CUNEATUM	SPONGE WEED			S				1		2		3		3		3	1
CODIUM FRAGILE	SPONGE WEED			W		2	3	4	3		3	2	X	2	2	1	
CODIUM HUBBSII				S				1		3		2		2		3	
CODIUM JOHNSTONEI				T								2		2		2	
CODIUM SETCHELLII				N		2		2		X							
DERBESIA MARINA	HALICYSTIS OVALIS			W			3		3	1	3		3		3		2
ENTEROMORPHA COMPRESSA				W			X										
ENTEROMORPHA SP.							2	X	4	X	1	X	1			X	2
ULVA CALIFORNICA	SEA LETTUCE			W		3	4	X									
ULVA LOBATA	SEA LETTUCE			W		X	3	X	3		X		X				
ULVA SP.	SEA LETTUCE			X		4	3	X	4	2	2	1	X	3	2	2	X
ULVA TAENIATA	SEA LETTUCE			N		1	3	X	X	1	3						2
UROSPORA SP.													X				
DIVISION PHAEOPHYTA																	
ACINETOSPORA NICHOLSONIAE					T							X					
AGARUM FIMBRIATUM	COLANDER WEED			N			X				1		1		1		
ANALIPUS JAPONICUS				N	1												
COIODESMUS CALIFORNICA				N					X		X		X				
COIODESMUS CORRUGATA				T													X
COIODESMUS SP.							X				X		2				X
COLPOMENIA PEREGRINA	BUBBLE KELP			N			X	3	X	1	X		X		X		X
COLPOMENIA SINUOSA	BUBBLE KELP			S		2		2	2		X	2	X		X		1
COLPOMENIA TUBERCULATA	BUBBLE KELP			S					1		2						
COLPOMENIA/HYDROCLATHRUS	BUBBLE KELP			S						3		2	2	3			
COSTARIA COSTATA				N			1										
CYSTOSEIRA NEGLECTA	BLADDER CHAIN KELP			S										X			
CYSTOSEIRA OSMUNDACEA	BLADDER CHAIN KELP			N		1	4	X	4		4		3		3		2
CYSTOSEIRA SETCHELLII	BLADDER CHAIN KELP			T				X					X		X		
CYSTOSEIRA SP.	BLADDER CHAIN KELP											3		4		X	
DESMARESTIA HERBACEA	ACID WEED			N					2		2						
DESMARESTIA LATIFRONS	ACID WEED			N			3		2		2						
DESMARESTIA LIGULATA	ACID WEED			W		2	4	2	4	2	2		2		2		3
DESMARESTIA MUNDA	ACID WEED			N						2							X
DESMARESTIA SP.	ACID WEED					X		X	3		X		X		X		X
DICTYONEUROPSIS RETICULATA				N			1		1								
DICTYOPTERIS UNDULATA				S				X		1	3	2	3	X	3		
DICTYOTA BINGHAMIAE				W			3		4		3	2	2		2		2
DICTYOTA FLABELLATA				S				1	1	1	2		3	2	X		1
DICTYOTA/PACHYDICTYON										2	X	2	3				3
EGREGIA MENZIESII	FEATHER BOA KELP			W	X	3	3	4	3	3	3	3	4	3	2	X	
EISENIA ARBOREA	SOUTHERN PALM KELP			W		1	4	4	3	2	4	3	3	2	4	X	1
ENDARACHNE BINGHAMIAE				S	X			X		2		2		2			1
HALIDRYS DIOICA				S		2	3	4	3	2	3	2	2	2	X		X
HAPLOGLOIA ANDERSONII				W				X									
HAPTEROPHYCUS CANALICULATUS				S							1		1				

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SPECIES	SYNONYM	COMMON NAME	GEO RANGE	NORTH		SAN		SANTA		SANTA		ANACAPA		SANTA		SOUTH	
				COAST		MIGUEL		ROSA		CRUZ		ISLAND		BARBARA		COAST	
				INT	SUB	INT	SUB	INT	SUB	INT	SUB	INT	SUB	INT	SUB	INT	SUB
HESPEROPHYCUS CALIFORNICUS	HESPEROPHYCUS HARVEYANUS	ROCKWEED	T	X		2		2		2		2					
HINCKSIA HINCKSIAE	GIFFORDIA HINCKSIAE		T						X								
HINCKSIA MITCHELLIAE	GIFFORDIA MITCHELLIAE		S						X								
HINCKSIA SP.	GIFFORDIA SP.								3								X
HINCKSIA/ECTOCARPUS	GIFFORDIA/ECTOCARPUS							X		3		X		X		X	X
HYDROCLATHRUS CLATHRATUS		PERFORATED BUBBLE KELP	S											1		X	
LAMINARIA FARLOWII		OAR WEED	N		X	2		3	1	4	1	3	1	3	4		2
LAMINARIA SETCHELLII	LAMINARIA DENTIGERA		N			3	3	3	2	3							
LEATHESIA DIFFORMIS	LEATHESIA NANA		W				X			2							
MACrocystis PYRIFERA		GIANT KELP	W	1	3	1	4	1	4	1	4	1	3	1	4	1	4
PACHYDICTYON CORIACEUM			W					3	3		X	1	2		3		2
PELAGOPHYCUS PORRA		ELK KELP	T						1		1				1		
PELVETIA COMPRESSA	PELVETIA FASTIGIATA	ROCK WEED	N	X		2		3		2		1		2		X	
PETALONIA FASCIA			W								1						
PETROSPONGIUM RUGOSUM	CYLINDROCARPUS RUGOSUS		T	X		2		2		3		2		2		X	
PSEUDOLITHODERMA NIGRA			S			3		4		3		3		1		X	
PTERYGOPHORA CALIFORNICA		NORTHERN PALM KELP	N				4		4		3		2		2		3
PUNCTARIA OCCIDENTALIS			N								2						
RALFSIA SP.				X		4		3	X	3		2		X		X	
ROSENINGEAE FLORIDANA			S						X								
SARGASSUM AGARDHIANUM			S								2						
SARGASSUM MUTICUM			W					3	1	2	3	2	2	2	3	2	2
SCYTO SIPHON DOTYI			N	X		1		4		2				1		2	
SCYTO SIPHON LOMENTARIA			W				X	2	X	1	2		1	2		X	
SORAN THERA ULVOIDEA			N				X										
SPHA CELARIA CALIFORNICA			S						X		X		X				
SPOROCHNUS PEDUNCULATUS			S										1		X		
TAONIA LENNEBACKERIAE			S			2		2	1	2			2		2		
TINOCLADIA CRASSA			T											X			
ZONARIA FARLOWII			S							1	3	1	3	3		X	
DIVISION RHODOPHYTA		RED ALGAE															
ACROCHAETIUM DESMARESTIAE			W				X		X		X		X		X		X
ACROSORIUM VENULOSUM	ACROSORIUM UNCINATUM		T			3	2	4		3		2		3		2	
AHNFELTIA SP.							X									X	
AHNFELTIOPSIS LEPTOPHYLLA	GYMNOGONGRUS LEPTOPHYLLUS		N			2	3	3	3		2	X					
AMPHIROA ZONATA			S								2		X	1	X	1	
AMPLISIPHONIA PACIFICA			N				X		X					X		2	
ANISOCLADELLA PACIFICA			W			3	X	X								X	
ANTITHAMNION DENDROIDEUM			T						X								
ANTITHAMNION DENSUM	ANTITHAMNION DEFECTUM		N						X								
ANTITHAMNIONELLA PACIFICA			N					X									
ASPARAGOPSIS TAXIFORMIS			S											2			
ASTEROCOLAX GARDNERI			N					X									
AUDOUINELLA PURPUREA	RHODOCHORTON PURPUREUM	CAVE ALGAE	N				X		1								
BANGIA VERMICULARIS	BANGIA FUSCO-PURPUREA		W				X										
BONNEMAISONIA HAMIFERA			S			2									2		
BOSSI ELLA CALIFORNICA			S			3		X		X		X		X		X	
BOSSI ELLA ORBIGNIANA			W			3	X	3	1	3		X		2		2	
BOSSI ELLA PLUMOSA			W				X				X						
BOSSI ELLA/CALLIARTHRO						2	X	3	4	3	4	3	3	2	4	2	X
BOTRYOCLADIA NEUSHULII			S						2								
BOTRYOCLADIA PSEUDODICHOTOMA		SEA GRAPES	N		X	3		3		2		2		2		X	
BRANCHIOGLOSSUM BINPINNATI FIDUM	BRANCHIOGLOSSUM WOODII		W			3		3					X			X	
CALLIARTHROTHON CHEILOSPORIOIDES			T			4	X	3		3		3		3		3	X
CALLIARTHROTHON TUBERCULOSUM			W			X	4	3	3		3		X		3		1

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SPECIES	SYNONYM	COMMON NAME	GEO RANGE	NORTH		SAN		SANTA		SANTA		ANACAPA		SANTA		SOUTH	
				COAST		MIGUEL		ROSA		CRUZ		ISLAND		BARBARA		COAST	
				INT	SUB	INT	SUB	INT	SUB	INT	SUB	INT	SUB	INT	SUB	INT	SUB
CALLITHAMNION BISERIATUM			N					X									
CALLITHAMNION PIKEANUM			N			3	X	3		X							2
CALLOCOLAX FUNIFORMIS			N						X								
CALLOPHYLLIS FIRMA			N			3		2		2		X		2			X
CALLOPHYLLIS FLABELLULATA			N			4		3		2		1		1			2
CALLOPHYLLIS HEANOPHYLLA			N			3	X	X									X
CALLOPHYLLIS OBTUSIFOLIA			T					X					X				
CALLOPHYLLIS PINNATA			N			3		X		X							
CALLOPHYLLIS SP.						X	4		3	2	2	X		2			X
CALLOPHYLLIS VIOLENCEA			N		X	4	3	3		2				2			3
CALOTHRIX SP.					X												
CARPOPELTIS BUSHIAE			S								2		2		3		1
CENTROCERAS SP.										X							
CERAMIACEAE (FAMILY)						4	4	4	X	3	2	X	X	X	X	X	X
CERIUM CALIFORNICUM			W			X		X									
CERIUM CAUDATUM			S					X									
CERIUM CLARIIONENSE			S					X									
CERIUM CODICOLA			N			X	X	X	X	2	2	1	X	X	X	X	X
CERIUM EATONIANUM			N					X									
CERIUM PACIFICUM			W					X									X
CERIUM SINICOLA			S					X									
CERIUM SP.						3	4		X	X		X		3			X
CHONDRACTHUS CANALICULATUS	GIGARTINA CANALICULATA		W	X	3	X	4		3	X	3		4				2
CHONDRACTHUS CORYMBIFERUS	GIGARTINA CORYMBIFERA		N		2	4	3	4	1	3		2		2	1		X
CHONDRACTHUS HARVEYANUS	GIGARTINA HARVEYANA		N		3	3	3	3		2							2
CHONDRACTHUS SP.	GIGARTINA SP.						4		3		3		X		2		X
CHONDRACTHUS SPINOSUS	GIGARTINA SPINOSA		T		3	3	4	3	2	2	2	3	2	3	X	X	X
CHONDRIA ACRORHIZOPORA	CHONDRIA CALIFORNICA		S										X				
CHONDRIA DECIPiens			T					X	X								
CHONDRIA NIDIFICA			S				X	X		X							2
CHONDRIA SP.									X								
CORALLINA CHILENSIS	CORALLINA OFFICINALIS VAR. CHILENSIS		W		2	3	3	3	1	3	1	3		4	X		2
CORALLINA VANCOUVERIENSIS			W	X	3	X	4		4	X	3	X	3	X	X		
CORALLINES - ENCRUSTING					2	4	2	4	3	4	4	4	4	2	4	2	
CORALLINES - ERRECT					3	4	4	4	3	4	3	4	3	4	3	4	2
CRYPTONEMIA OBOVATA			W			3		2		2				1			
CRYPTONEMIA SP.								X									
CRYPTOPLEURA CORALLINARA			S							2				X			X
CRYPTOPLEURA CRISPA			S		3	3		2	X	2		X		2			
CRYPTOPLEURA LOBULIFERA			N				2	X	X					X			
CRYPTOPLEURA RUPRECHTIANA	BOTRYOGLOSSUM FARLOWIANUM		N				4	X	3		X						3
CRYPTOPLEURA SP.			X		2	3	X	3	X	X	2		X		X	X	X
CRYPTOPLEURA VIOLENCEA			N		2	3	X	X	X	X	2			2		2	
CUMAGLOIA ANDERSONII			N		1		X	2	1					X			
DASYA SINICOLA			S			2				X		X		X		X	
DELESSERIACEAE (FAMILY)						3		3		X				X			
ENDOCLODIA MURICATA			N	X	3		4		3		3						2
ERYTHROCYSTIS SACCATA			S				X		X	X	X		X	X			
ERYTHROPHYLLUM DELISSEROIDES			N				X										
ERYTHROTRICHIA CARNEA			W						X								
ERYTHROTRICHIA TETRASERIATA			S						X								
FARLOWIA COMPRESSA			N			2		2									
FARLOWIA CONFERTA			N					X	X			X		X			
FAUCHEA LACINIATA			N			4		3		2		2		2			
FAUCHEA SP.																	1

Table A-1
Marine Species List

SPECIES	SYNONYM	COMMON NAME	GEO RANGE	NORTH		SAN		SANTA		SANTA		ANACAPA		SANTA		SOUTH	
				COAST		MIGUEL		ROSA		CRUZ		ISLAND		BARBARA		COAST	
				INT	SUB	INT	SUB	INT	SUB	INT	SUB	INT	SUB	INT	SUB	INT	SUB
FRYEELLA GARDNERI			N			4		3		2		2		1			
GASTROCLONIUM COMPRESSUM	COELOSEIRA COMPRESSA		T			3		X				2					X
GASTROCLONIUM SP.			X														X
GASTROCLONIUM SUBARTICULATUM	GASTROCLONIUM COULTERI		N			2	3	4	X	1		1		2	X		
GELIDIUM COUTLERI			W			2	X	4		2	X	2	X	2			X
GELIDIUM NUDIFRONS			S			2				3		2		3			
GELIDIUM PURPURASCENS			N			3	3	2		2	3	1	X		2		
GELIDIUM ROBUSTUM	AGARWEED		W			3	3	2	3	1	3	1	3	X	3	X	2
GELIDIUM/PTEROCLADIA			X							3	3	2	3		3	X	
GONIOTRICHOPSIS SUBLITTORALIS			N					X									
GONIOTRICHUM ALSIDII			W					X									
GRACILARIA PACIFICA	GRACILARIA VERRUCOSA		W			2		X									X
GRACILARIA PAPENFUSII	GRACILARIA ANDERSONII		S						X								
GRACILARIA ROBUSTA			T					2		X							
GRACILARIA SP.						2	3	2	3	X	X		X		2		X
GRACILARIA TEXTORII			S							2							
GRACILARIOPHILA ORYZOIDES			N			2	3										
GRACILARIOPSIS LEMANEIFORMIS	GRACILARIA SJOESTEDTII		W			2		X	3	X	2		X		X	2	
GRATELOUPIA DORYPHORA			W			2		3	2	1	1		X			X	
GRATELOUPIA FILICINA			S			2						X					
GRATELOUPIA SP.													2				
GRIFFITHSIA PACIFICA			W			3		X		X		X		X		X	X
GYMNOGONGRUS CHITON	GYMNOGONGRUS PLATYPHYLLUS		N			3	3	3		3		X					X
HALIPTYLON GRACILE			S				2	1	1	2	1		3		2		X
HALYMENIA CALIFORNICA			W			3		X									
HALYMENIA COCCINEA			W							X				1			
HALYMENIA/SCHIZYMEMIA						3		3		X		1		1		1	
HELMINTHOCLADIA AUSTRALIS			W											2			
HERPOSIPHONIA PLUMULA			W					X									X
HERPOSIPHONIA SP.								X	X		X			X			
HERPOSIPHONIA VERTICILLATA			N					X									
HETEROSIPHONIA ERECTA			S											X			
HETEROSIPHONIA JAPONICA			N							X							
HILDENBRANDIA SP.						3		3		X							
HYMENENA FLABILLIGERA			N			2											
HYMENENA SP.						2											
HYPNEA VALENTIAE			S					X									
JANCZEWSKIA LAPPACEA			T					X									X
JANCZEWSKIA SP.								X									
JANIA SP.										X					X		
KALLYMENIA SP.								X	X								
LAURENCIA PACIFICA			S			1	4	X	3	2	3	2	3	X	2	X	X
LAURENCIA SP.						X		X	3		3		2	1	3	X	
LAURENCIA SUBDISTICHA			S						2		X			X		X	
LAURENCIA SUBOPPOSITA			T					X	2	X		2		X	2		X
LEPTOCLADIA BINGHAMIAE			S			3	2	3		2		X			2		1
LITHOPHYLLUM PROBOSCIDEUM			S								1						
LITHOTHRIX ASPERGILLUM			W			2	3	2	1	3	2	X		3		X	
MARIPELTA ROTATA			T			1		1									
MASTOCARPUS PAPILLATUS	PETROCELIS FRANCISCANA		N	X		3	X	3		2		2		1		X	
MAZZAELLA AFFINIS	RHODOGLOSSUM AFFINE		N			3	2	3	X	2	X	3	2	2	2	X	
MAZZAELLA CALIFORNICA	RHODOGLOSSUM CALIFORNICUM		N					3	X	X	X	3					
MAZZAELLA LEPTORHYNCHOS	GIGARTINA LEPTORHYNCHOS		T	X		X		3		2		3		X		2	
MAZZAELLA LILACINA	IRIDAEA CORDATA		N					3	X								
MAZZAELLA LINEARIS	IRIDAEA LINEARE		N					3									